

CLAIMS

1. An electroluminescent position indicator for mounting on a helmet,
 - 5 the indicator comprising a body,
an electroluminescent light source including at least a first electroluminescent portion,
 - 10 power supply means for powering the light source,
and releasable attachment means for mounting a base portion of the body on the helmet;
 - 15 characterised in that the body includes a protruberant diffuser,
and at least part of the light emitted by the first electroluminescent portion is distributed through the diffuser.
- 20 2. An electroluminescent position indicator according to claim 1, characterised in that the diffuser defines a cavity containing the light source and the power supply means.
- 25 3. An electroluminescent position indicator according to claim 1, characterised in that a convex reflector is provided for distributing light from the first electroluminescent portion over the diffuser.
4. An electroluminescent position indicator according to claim 3, characterised in that the reflector defines a cavity containing the power supply means.

5. An electroluminescent position indicator according to claim 4, characterised in that the diffuser defines a cavity containing the reflector,

and includes a peripheral margin which is attached to the base portion of the body
5 such that, when the base portion is mounted on the helmet, the peripheral margin of the diffuser lies adjacent the helmet;

and in that the reflector includes a peripheral margin which is arranged adjacent the peripheral margin of the diffuser

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such that substantially the entire visible area of the body when mounted on the helmet is illuminated.

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6. An electroluminescent position indicator according to claim 3, characterised in that a lens is provided for refracting light from the first electroluminescent portion onto the reflector.

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7. An electroluminescent position indicator according to any of claims 1 – 6, characterised in that a first part of the light emitted by the light source is distributed through the diffuser and a second part of the light emitted by the light source is emitted as a more concentrated beam which is not distributed through the diffuser.

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8. An electroluminescent position indicator according to claim 7, characterised in that the light source includes a second electroluminescent portion,

wherein the first electroluminescent portion emits light through the diffuser and the second electroluminescent portion is directly visible.

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9. An electroluminescent position indicator according to any of claims 1 – 6, characterised in that the body is elongate and the base portion has a radius of

curvature between 90 mm and 490 mm so as to conform to the outer contours of a side portion of the helmet.

10. An electroluminescent position indicator according to claim 9, characterised in that the diffuser forms an elongate band with a front end and a rear end, and in use the band extends along a side portion of the helmet such that the front end is adjacent a front portion of the helmet, and the rear end is adjacent a rear portion of the helmet.
- 10 11. An electroluminescent position indicator according to claim 10, characterised in that in use the front end is visually distinct from the rear end.
12. An electroluminescent position indicator according to any of claims 1 – 6, characterised in that the attachment means are arranged so as to detach the indicator from the helmet in the event of an impact.
- 15 13. An electroluminescent position indicator according to claim 12, characterised in that the attachment means include cooperating magnetic elements associated respectively with the base portion of the body and with the helmet.
- 20 14. An electroluminescent position indicator according to any of claims 1 – 6, characterised in that the base portion includes a flexible seal which in use conforms to the contours of the helmet.
- 25 15. A position indicator system for a helmet, the system comprising a pair of electroluminescent position indicators according to any of claims 1 – 6,
- 30 characterised in that the indicators are arranged respectively on opposite lateral sides of the helmet.